



MEETING MINUTES

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| PROJECT: Water Treatment Plant | PAGE: 1 of 2 |
| OWNER: City of Long Beach | PROJECT NUMBER: 08856 |
| MEETING DATE: August 24, 2010 | CONTRACTOR: Rotschy, Inc. |

PRESENT: Gene Miles, City of Long Beach
Don Zuern, City of Long Beach
Rick Gray, City of Long Beach
Casey Danforth, Rotschy, Inc.
Darin Kysar, Rotschy, Inc.
Dan Naughton, PACE Engineers, Inc.
Dave Wiebe, PACE Engineers, Inc.

1. COMMENTS ON PREVIOUS MEETING:

- As a continuation of last week's discussion, the outfall for the pond drains is a critical permit issue. Minor changes may be made to fit the terrain in the creek bottom, but the intent of the design must be met in order to meet permit requirements. Discharge piping can be placed in the same trench, and minor changes to the soakage discharge detail can be made, providing that the same square footage of area is maintained.
- The Cornforth directive was discussed. A written directive addressing the compaction methodology is being completed by Cornforth. Cornforth is awaiting Carlson Testing reports prior to completion.

2. SCHEDULE:

- Casey did not prepare an up-dated schedule for the meeting. He stated that the project is on schedule as of this past week.

3. SUBMITTALS:

- No discussion.

4. RFI'S:

- No discussion.

5. PROPOSED CHANGE ORDERS:

- No discussion.

6. CONSTRUCTION ISSUES:

- Chemical storage inside the WTP was discussed. As containment of stored chemicals is an issue, Rick Gray is looking into a containment unit that will hold four barrels of chemicals, and supplied at no cost from the City's supplier. We may need to make minor adjustments to the EFM/CIP housekeeping pad for this purpose. Rick will keep us informed.
- The potable water feed was discussed. Because of cross-contamination issues, a separate feed will be required to supply the chemical supply functions and the office, laboratory, and restroom. Dan will have Cundiff Engineers evaluate necessary pipe sizes for each system.
- Coating of the EFM/CIP vault is required, using the same bitu-mastic material used on the clear-well.
- Rick Gray asked about using hot water from the EFM/CIP tank for mixing soda ash. Dan will check this out to see if additional use would create a problem for the EFM/CIP function. A valve could be installed on the hot water tank for this purpose.
- Rick Gray needs to determine what kind of tubing should be used between the chlorine dioxide generator and the new static mixer. It was determined that a 2" PVC schedule 40 carrier pipe would be appropriate utilizing long sweep bends as required. Rick will research the tubing required.
- There was a discussion about using the existing reservoir level sensors for the new WTP controls. It was determined that the existing Hydro-ranger units were not compatible with the units approved during the submittal process.
- The water from the clearwell was used to fill the EFM/CIP vault. Dan requested that the clearwell be re-filled before backfill work is started around the EFM/CIP vault and the remainder of the clearwell.



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- The use of metal frames around the CMU block at the rolling door openings was discussed. It was determined that because of the 14' width of the doors, they would not be needed.
- The vent stack detail shown on sheet A10 was discussed by Casey. It was decided that this detail would create additional leak potential when compared with a standard "Deck-Tight" seal. It was agreed to use the standard method.

7. CONTRACTOR CONCERNS:

- No discussion.

8. ENGINEER / CITY CONCERNS:

- No discussion.

9. Q & A:

- No discussion.